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FAMILY RESEMBLANCES AMONG AMERICAN MEN OF SCIENCE

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THE fascinating problems that concern the causes of individual and group differences among human beings are still with us. Since Galton set out to prove that "a man's natural abilities are derived by inheritance under exactly the same limitations as are the form and physical features of the whole organic world" the biological sciences have made many and notable contributions to the fund of knowledge concerning the derivation "of the form and physical features of the organic world." But the influences by which individual and group differences come about, particularly differences in intellectual performance, seem to have been singularly neglected.

The problem has been avoided partly because of the nature of the material. Human beings are not only complicated in organic construction, but they are mongrel in breed, the period between generations is long and direct experimentation impossible. Few scientific problems are more likely to be disturbed by the bias of the experimenter. The American millionaire or European aristocrat explains differences in the wealth gathering or keeping performance of human beings in terms of innate ability. To the socialist the expression "royal minds" has little basis in fact. Laws, taboos, economic and social conditions are thought to be the proper explanations of differences in human behavior. So deeply do the facts concern the fundamental concepts about the organization of society that debate with its anecdotal method should be supplanted by objective method of the best sort available.

The method of approach used in this study is statistical. The investigation represents an attempt to determine some of the differences or resemblances, the causes

of which have been so often the subject of debate and argument. It is necessary to determine what resemblances or differences exist before causes can be explained. This is a study of family resemblances in intellectual performance, particularly in the field of science.

By limiting the problem to the measurement of resemblances the advice of a gifted and successful worker in this field is followed. He writes:

It is impossible at present to estimate with security the relative shares of original nature, due to sex, race, ancestry and accidental variation, and of the environment, physical and social, in causing the differences found in men. One can only learn the facts, interpret them with as little bias as possible, and try to secure more facts.¹

By this same limitation it is hoped that a serious and common error will be entirely avoided, namely, the failure to realize the twofold nature of the problem of inheritance as ordinarily discussed. The following analysis is so clear and the need of it so general that it is given at length.

Most sociological writers and some biologists are confused in their use of the concept of heredity. When there is discussion of the relative influence on performance of heredity and environment, by heredity there is sometimes understood the original constitution of the individual and sometimes his resemblance to parents and other relatives. It is conceivable that the original constitution of son and father might be exactly the same and yet the individual be so plastic to environment that under different conditions there would be but slight similarity between their performances. It is also conceivable that there might be no similarity between the original constitution of son and father, and yet the performance of each be determined by his original constitution almost without influence from environment. Under which of these extreme hypotheses would the current sociologist call heredity strong or weak? The word heredity should be reserved for resemblance due to a common germ plasm and some other word found for the constitution of the fertilized ovum or zygote; perhaps the best that can be done is to use this uncouth word. We can then discriminate between the two distinct questions: What is the resemblance between the zygotes of two brothers? How far does the zygote of an individual determine his performance as an adult?²

¹ Thorndike, "Educational Psychology," Vol. III, p. 310.

² J. McKeen Cattell, "Families of American Men of Science," *Pop. Science Monthly*, May, 1915.

It must not be inferred that this study is an attempt to determine "how far the zygote of an individual determines his performance" or "what is the resemblance between the zygotes of two brothers." It is primarily a statistical measurement of resemblance in performance with particular reference to performance in science. With the results of these measurements at hand, something about the resemblances of the zygotes of near relatives and about how far the zygote of an individual determines his performance may be estimated.

By resemblance is meant, not identity, but degree of similarity. Galton, with the idea of particulate inheritance in mind, early insisted on measuring resemblances as deviations from an average. He justly claims to have been the first to "introduce the law of deviations from the average into the discussions on heredity."³ Almost forty years later he is found insisting that "probability is the foundation of eugenics."⁴ It is here that the statistical method avoids the pitfalls of proof by anecdote. Given a group, selected for some particular sort of performance, the number in any particular degree of relationship showing similar performance may be determined and compared with a similar group of the generality. This is the method used in this study.

The group studied consists of approximately 1,000 American men of science and their families. The wives and the near relatives of the wives of the men of science are included in the data, and the results of the comparisons offer perhaps the most unique contribution of the investigation. The statistical data include only relatives of a degree no more remote than first cousin. These relatives are: brothers and sisters, sons and daughters, fathers and mothers, nieces and nephews, uncles and aunts, grandparents and first cousins.

It may be well here to anticipate a criticism of the use of the term resemblance. Since the group of men of science is made up of persons of known distinction and since

³ "Hereditary Genius," Preface, 1869.

⁴ Spencer lecture, 1907.

resemblance of near relatives is measured in terms of the number of the latter who become distinguished, it is assumed that distinction in any intellectual performance is evidence of resemblance. Thus, a psychologist whose cousin is a psychologist may be said without much fear of contradiction to resemble that relative, but does he really resemble his brother, who is a well-known judge? Does he resemble his distinguished father, a former president of the University of Michigan, a gifted administrator?⁵ Apparently, that has been assumed. The fact is, they do resemble each other in so far as they vary in the same direction from the average person in the direction of performance.

The selection of the group of scientific men used has become a classic in individual psychology and need not be related in detail here.⁶ Briefly, it may be said, the workers in science were grouped in twelve general divisions as follows: Anatomy, anthropology, botany, chemistry, geology, mathematics, pathology, physics, physiology, psychology and zoology. The workers in each science were arranged in an order of merit by ten leading men in each of those sciences. The average position assigned each man, together with the probable error, was computed. Thus each man's position with the reliability of the figure describing his position was determined, and a thousand of the leading men of science were selected as a group for study. Two selections were made, the first in 1903, the second in 1910. The lists varied somewhat in composition due to deaths, changes of position within the group, removal to a foreign country and the like.⁷ The positions attained were not published, that

⁵ Since the above was written the psychologist, James Rowland Angell, has become a member of the National Academy of Sciences and the president of Yale University. The question becomes less pertinent but the case more dramatic.

⁶ J. McKeen Cattell, "American Men of Science," appendix, second edition, 1910.

⁷ A third selection has now been made and will furnish material for a continuation of this study. See "American Men of Science," third edition, J. McKeen Cattell and Dean R. Brimhall, 1921.

information being confidential, but the names of those achieving a position in either selection were marked with an asterisk in the handbook in which they were published. They are referred to in this study as the starred group.

The members of the starred group were asked to report among other data the names of relatives as follows:

Relatives who have done scientific work with designation of relationship and direction of work.

Relatives (with designation of relationship and direction of work) sufficient to warrant inclusion in a book such as "Who's Who," say among the first twenty thousand of a hundred million population.

Relatives (with designation of relationship and direction of work) who have done scientific work or work of distinction in other directions.

Professor Cattell, to whom sole credit is due for gathering the original data, writes concerning requests and replies:

Of one thousand one hundred and fifty-four scientific men from whom information in regard to their families was requested 1,036 replied and 118 did not. Of the replies 16 were blank, sometimes accompanied by the explanation that the information was not readily attainable or the like, 7 were to the effect that the information would be sent later or the like, 13 were received too late, 25 were very imperfect, 975 were usable and in most cases complete. This is an unusually full reply to a questionnaire. For example, in answer to an inquiry in regard to noteworthy relatives addressed to 467 fellows of the Royal Society, Sir Francis Galton received 207 useful replies, and the completely available returns "scarcely exceeded 100."⁸

Following a thorough investigation of that part of the data concerning relatives, in an attempt to supplement and correct them by the use of biographical and genealogical handbooks, the writer sent 186 letters to as many of the men of science, with a report of what had been found in the way of additional information, and asked for corrections and additions. Second and third requests were sometimes sent and in some cases a personal visit to the man of science or near relative was made. As a result the number of usable replies for this study proved to be 956.

⁸ "Families of American Men of Science," *Popular Science Monthly*, May, 1915.

Of these 956 records 22 were incomplete in the case of relatives more remote than parents, children, brothers and sisters. Twenty-three were incomplete in kinships more remote than those mentioned. Fully half of the replies of those found to have distinguished relatives were originally incomplete either in names or designation of relationship of names or both. The brother relationship, where it would be supposed complete information would be available, had 84 cases in the original data. This number was raised to nearly 150 through consultation of the handbooks mentioned below. Not more than 25 of those added were found to have first biographical mention at a date later than that of the request for information.

It is unlikely that the ten per cent. who failed to reply did so because of lack of relatives to report; it is unlikely, because that information was a relatively small part of the total requested. Two hundred and fifty-six, or about one fourth of the number replying, were found to have relatives of distinction or relatives who were scientific men; since the other three fourths replied, though they had no relatives to report, it seems reasonable that those who did not reply did not represent a select group. This is further shown to be the case in the number of cross relationships between the two groups. There are found to be brother and cousin relationships that were reported by some of those replying that would have been reported if the others had replied.

The objective criterion used is biographical inclusion in one or more of the three following handbooks: "American Men of Science," "Who's Who in America," "Appleton's Cyclopedia of American Biography." Both editions of "American Men of Science," that is, the editions of 1903 and 1910, were consulted, and biographies found in either were counted. Those found in the original edition of "Appleton's Cyclopedia," published in 1887-88, together with the appendix of 1900 and all ten volumes of "Who's Who in America," covering the pe-

riod from 1910 to 1918, were also included. The first edition of "American Men of Science" contains more than 4,000 men of science, of entire North America, the second edition about 5,500 names. "Appleton's Cyclopaedia of American Biography (1887-88)" contains "above 15,000 prominent native and adopted citizens of the United States, including living persons, from the earliest settlement of the country." In the appendix of 1899-00 "will be found nearly 2,000 notices of Americans who won renown in the war with Spain . . . and of persons of the New World who have become prominent in the peaceful activities of life during the decade," between the appearance of the two publications. The ten volumes of "Who's Who in America" contain 36,915 biographical sketches. The first volume contains 8,602 biographies, while Volume 10 has 22,968. It is evident that the three publications have varying standards of selection, and it becomes necessary to get some statement of the degree of fineness of selection represented by each.

If the reader doubts the validity of any one of the three measures he may disregard those found in that handbook because the lists of names and tables are arranged to that end. That there are biographies of persons included that are out of place is likely and that omissions of others quite deserving occur is also likely, but inclusion represents unusual performance that is a reality.

There is given below the biographical account of one of the persons in the study as it is given in the three different handbooks. Besides adding reality to the data in the lists it will afford a comparison of the characteristic methods employed by the editors of the different publications. The accounts give some idea of the interesting and voluminous records that would be necessary if no more than a brief history of each individual were given. The histories of the men of science and their relatives, if abbreviated in the most careful manner, would make a fair-sized volume. One need only imagine the size of the volume necessary to give an account of the unusual per-

formance of an equal number of people taken at random to see the difference.

Biographical Account of Edward Charles Pickering, American Men of Science, 1910

Pickering, Prof. Edward C(harles), Harvard College Observatory, Cambridge, Mass. * *Astronomy, Astrophysics*. Boston, Mass, July 19, 46. B.S, Harvard, 65, A.M, 80, LL.D, 03; California, 86; Michigan, 87; Sc.D, Victoria (England), 00; LL.D, Chicago, 01; Ph.D, Heidelberg, 03; LL.D, Pennsylvania, 06. Instr. math, Lawrence Sci. Sch, Harvard, 65-67; *prof.* physics, Mass. Inst. Tech, 67-77; *astron. and director*, Harvard Col. Observatory, 77- Bruce Gold Medal, Pacific Astron. Soc; Rumford, Draper, Bruce, two Royal Astron. Soc. and other medals. Nat. Acad; F.A.A. (v. pres, 77); Astron. and Astrophys. Soc. (pres, 06-08); Philos. Soc. (v. pres, 09); fel. Am. Acad; Wash. Acad; hon. mem. N. Y. Acad; cor. mem. Berlin Acad; Soc. astron. de France; Inst. de France; Royal Soc. Upsala; Soc. Lynceorum Nova; St. Petersburg Imp. Acad; Societies of Cherbourg, Palermo, etc. Stellar photometry and spectroscopy.

ACCOUNT GIVEN IN WHO'S WHO IN AMERICA, VOL. 6, 1910-11

Pickering, Edward Charles, astronomer; b. Boston, July 19, 1846. s. Edward and Charlotte (Hammond) P; brother of William Henry P. (*q.v.*); ed. Boston Latin School; S.B, Lawrence Scientific Sch. (Harvard), 1865 (hon. A.M., 1880; LL.D., univs. of Cal., 1886, Mich., 1887, Chicago, 1901, Harvard, 1903, Pa., 1906; Ph.D., Heidelberg, 1903; D.Sc., Victoria U., Eng., 1900; *m.* Lizzie Wadsworth, *d.* Jared Sparks, Mar. 9, 1874. Instr. mathematics, Lawrence Scientific Sch., 1865-7; Thayer prof. physics, Mass. Inst. Tech., 1867-76; prof. astronomy and dir. Harvard Coll. Obs. since 1876. Established 1st physical lab. in U. S.; under his direction, invested capital and income of the observatory has increased fourfold. Study of light and spectra of the stars have been spl. features of his work; devised meridian photometer and made 1,400,000 measures of the light of the stars with it. By establishing an auxiliary sta. in Arequipa, Peru, Southern stars are also observed, extending the work from pole to pole, in which 200,000 photographs are included. Accompanied Nautical Almanac expdn. to observe total eclipse of sun, Aug. 7, 1869; mem. U. S. Coast Survey expdn. to Xeres, Spain, Dec. 22, 1870. Awarded Henry Draper medal for work on astron. physics; gold medals, Rumford, 1891, Bruce, 1908, Royal Astron. Soc., 1886, 1901. Mem. Nat. Acad. Sciences; hon. mem. of Socs. at Mexico, Cherbourg, Liverpool, Toronto, Upsala and Lund; mem. Royal Astron. Soc., Royal Instrn. Acaad. dei Lincei, Royal Prussian, and Royal Irish socs., Royal Soc. of London, Institute de France, Imperial Acad., St. Petersburg; pres. Astron. and Astrophys. Soc.

America, 1906-9; fellow Am. Acad. Arts and Sciences; founder and 1st pres. Appalachian Mountain Club; mem. Century Assn., New York. *Author*: Elements of Physical Manipulation, and 60 volumes of annals and other publications of Harvard Coll. Observatory. *Address*: Harvard Observatory, Cambridge, Mass.

ACCOUNT GIVEN IN APPLETON'S CYCLOPEDIA OF AMERICAN
BIOGRAPHY, 1887-8

Pickering, Edward Charles, astronomer, b. in Boston, Mass., 19 July, 1846, was graduated in civil engineering course at the Lawrence scientific school of Harvard in 1865. During the following year he was called to the Massachusetts institute of technology as assistant director of physics, of which branch he held the full professorship from 1868 till 1877. Prof. Pickering devised plans for the physical laboratory of the institution, and introduced the experimental method of teaching physics at a time when that mode of instruction had not been adopted elsewhere. His scientific work of these years consisted largely of researches in physics, notably investigations on the polarization of light and the laws of its reflection and dispersion. He also described a new form of spectrum telescope, and invented in 1870 a telephone receiver, which he publicly exhibited. He observed the total eclipse of the sun on 7 Aug., 1869, with the party that was sent out by the Nautical almanac office, at Mt. Pleasant, Iowa, and was a member of the U. S. coast survey expedition to Xeres, Spain, to observe that of 22 Dec., 1870, having, on that occasion, charge of the polariscope. In 1876 he was appointed professor of astronomy and geodesy, and director of the observatory at Harvard, and under his management this observatory has become one of the foremost in the United States. More than twenty assistants now take part in investigations under his direction and the invested funds of the observatory have increased from \$176,000 to \$654,000 during his administration. His principal work since he accepted this appointment has been the determination of the relative brightness of the stars, which is accomplished by the means of a meridian photometer, an instrument specially devised for this purpose, and he has prepared a catalog giving the brightness of over 4,000 stars. Since 1878 he has also made photometer measurements of Jupiter's satellites while they are undergoing eclipse, and of the satellites of Mars and other faint objects. On the death of Henry Draper (q.v.) his widow requested Prof. Pickering to continue important researches on the application of photography to astronomy, as a Henry Draper memorial, and the study of the spectra of the stars has been undertaken on a scale that was never before attempted. A fund of \$250,000, left by Uriah A. Boyden (q.v.) to the observatory, has been utilized for the special study of the advantages of very elevated observing stations. Prof. Pickering has also devoted attention to such objects as mountain surveying, the height and velocity of clouds, papers on which he

has contributed to the Appalachian Club, of which he was president in 1877, and again in 1882. He is an associate of the Royal astronomical society of London, from which in 1886 he received its gold medal for photometric researches, and besides membership in other scientific societies in the United States and Europe he was elected in 1873 to the National academy of sciences, by which body he was further honored in 1887 with the award of the Henry Draper medal for his work on astronomical physics. In 1876 he was elected a vice-president of the American association for the advancement of science, and presented his retiring address before the section of mathematics and physics at the Nashville meeting. In addition to his many papers which number about 100, he prepared "Reports on the Department of Physics," for the Massachusetts institute of technology, and the "Annual Reports of the Director of the Astronomical Observatory," likewise editing the "Annals of the Astronomical Observatory of Harvard College." He has also edited with notes "The Theory of Color in Relation to Art and Art Industry," by Dr. William von Bezold (Boston, 1876), and he is the author of "Elements of Physical Manipulation" (2 parts, Boston, 1873-6).

The raw material of the investigation is found below in the lists of men of science and their relatives. Statistical treatment of these data will follow. They are arranged so that any competent observer can test their validity. While great effort has been made to have the details reliable, it is possible that mistakes may be found in the designation of relationship, but it is thought that such mistakes are few if any.

THE MEN OF SCIENCE AND THEIR NEAR RELATIVES OF DISTINCTION

The names of the men of science and their near relatives of distinction are given at the left of the page. The name of the man of science comes first and is followed by a short dash. The names of the relatives follow and are preceded by the letter or letters which tell the relationship. The first name, for example, is Allis, Edward Phelps; he has a cousin (FSiS, a father's sister's son), Callahan, Henry White, whose work is in education. The biography of this relative is found in "Who's Who in America." When the name of a relative is printed in small capitals it shows that the person is known for work

in science. The direction of the performance of the relatives is given at the right of the name. The handbook or books containing his biographical account are shown by the abbreviations at the right. These abbreviations are to be understood as follows: A.M.S, American Men of Science (if preceded by an asterisk the person is in the starred group of men of science); W.W, Who's Who in America; A.C, Appleton's Cyclopedia of American Biography.

Any degree of relationship can be conveniently and accurately described by one, or a combination of two or more, of the following seven letters: S for son, D for daughter, B for brother, Si for sister, F for father, M for mother. Thus, paternal grandfather can be written as FF, meaning father's father, maternal grandfather, MF, meaning mother's father, FBS meaning first cousin or father's brother's son, etc. These symbols precede the name and show the kinship of the person to the man of science.

The men of science are arranged according to the science in which they were recorded as obtaining a place in the starred group. The groups are arranged alphabetically, beginning with the anatomists and closing with the zoologists.

Starred anatomists and near relatives of distinction	Direction of performance	Handbooks containing biographical accounts of relatives
<i>Anatomists</i>		
Allis, Edward Phelps—		
FSiS Callahan, Henry White	Education	W.W.
Bardeen, Charles Russell—		
F Bardeen, Charles William	Education	W.W.
Bensley, Robert Russell—		
B Bensley, Benjamin Arthur	Zoology	A.M.S.
Dwight, Thomas—		
MB WARREN, JONATHAN MASON	Surgery	A.C.
MF WARREN, JOHN COLLINS	Surgery	A.C.
MBS WARREN, JOHN COLLINS	Surgery	*A.M.S.; W.W. A.C.
FBS Dwight, Wilder	Warfare	A.C.
FBS Dwight, William	Warfare	W.W.

Greenman, Milton Jay—

FBS GREENMAN, JESSE MORE Botany *A.M.S; W.W.

Meyer, Arthur William—

B Meyer, Balthassar Henry Polit. econ. W.W.

Spitzka, Edward Anthony—

F SPITZKA, EDWARD A. Neurology A.M.S; A.C.

Anthropologists

Dorsey, George Amos—

B DORSEY, CLARENCE W. Soil physics W.W.

B DORSEY, HERBERT GROVE Physics A.M.S.

Farrand, Livingston—

B Farrand, Max History W.W.

B Farrand, Wilson Education W.W.

Hough, Walter—

FBS HOUGH, THEODORE Physiology *A.M.S; W.W.

Astronomers

Doolittle, Charles Leander—

S DOOLITTLE, ERIC Astronomy *A.M.S; W.W.

Doolittle, Eric—

F DOOLITTLE, CHARLES L. Astronomy *A.M.S; W.W.

Frost, Edwin Brant—

B FROST, GILMAN DuBOIS Anatomy A.M.S.

Lowell, Percival—

B Lowell, Abbott Lawrence Education W.W.

Si Lowell, Amy Poetry W.W.

MF Lawrence, Abbot Diplomacy A.C.

FSiD Cabot, Ella Lowell Lyman Education W.W.

MSiS ROTCH, ABBOTT LAWRENCE Physics *A.M.S; W.W.

MSiS Rotch, Arthur Architecture A.C.

Pickering, Edward Charles—

B PICKERING, WILLIAM H. Astronomy *A.M.S; W.W;
A.C.

FB PICKERING, CHARLES Ethnol; Bot. A.C.

Pickering, William Henry—

B PICKERING, EDWARD C. Astronomy *A.M.S.

FB PICKERING, CHARLES Ethnol; Bot. A.C.

Pritchett, Henry Smith—

F Pritchett, Car Waller Ministry; Educ. W.W.

Searle, Arthur—	Astron; Religion	A.M.S; W.W;
B SEARLE, GEORGE MARY		A.C.

Stone, Ormond—	Journ; Finance	
B Stone, Melville Elijah		W.W; A.C.

Wright, William Hammond—		
M Wright, Johanna Maynard Organization		W.W.

Botanists

Beal, William James—		
MSiS STEERS, JOSEPH BEAL	Zoology	A.M.S; W.W.

Bessey, Ernst Athern—		
F BESSEY, CHARLES EDWIN	Botany	*A.M.S; W.W.

Bessey, Charles Edwin—		
S BESSEY, ERNST ATHERN	Botany	*A.M.S; W.W.

Blakeslee, Albert Francis—		
B Blakeslee, George Hubbard	History	W.W.
F Blakeslee, Francis Durbin	Ministry	W.W.

Bray, William—		
MBS or FSiS FOSTER, LUTHER	Botany	W.W.

Campbell, Douglas Houghton—		
B CAMPBELL, EDWARD DEM.	Chemistry	*A.M.S; W.W.
B Campbell, Henry Munroe	Law	W.W.
F Campbell, James V.	Law	A.C.

Coker, William Chambers—		
F Coker, James Lide	Manufacturing	W.W.
FBS COKER, ROBERT IRWIN	Zoology	A.M.S; W.W.

Coulter, John Merle—		
B COULTER, STANLEY	Botany	*A.M.S; W.W.
S COULTER, JOHN GAYLORD	Botany	A.M.S.
FBS COULTER, SAMUEL MONDS	Botany	A.M.S.

Coulter, Stanley—		
B COULTER, JOHN MERLE	Botany	*A.M.S; W.W;
		A.C.
BS COULTER, JOHN GAYLORD	Botany	A.M.S.
FBS COULTER, SAMUEL MONDS	Botany	A.M.S.

Coville, Fred Vernon—		
B COVILLE, LUZERNE	Medicine	A.M.S.

Davis, Bradley Moore—		
FSiS WOOD, ROBERT WILLIAMS	Physics	*A.M.S; W.W.

Duggar, Benjamin Minge—

B	DUGGAR, JOHN FREDERIC	Agronomy	A.M.S; W.W.
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Earle, Franklin Sumner—

Si	Horne, Mary Tracy Earle	Fiction	W.W.
F	EARLE, PARKER	Horticulture	A.C.

Fernald, Merritt Lyndon—

B	FERNALD, ROBERT H.	Mech. eng.	A.M.S; W.W.
F	FERNALD, MERRITT C.	Educ; Physics; Math.	A.M.S; W.W.

Greenman, Jesse More—

FBS	GREENMAN, MILTON JAY	Anatomy	*A.M.S; W.W.
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Halstead, Byron David—

SiS	FAIRCHILD, DAVID G.	Botany	*A.M.S; W.W.
SiS	Fairchild, Edwin Milton	Education	W.W.

Kearney, Thomas H.—

MB	Miner, Charles Wright	Warfare	W.W.
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Macbride, Thomas Huston—

FSiS	Sterrett, James M.	Ministry; Hist.	W.W.
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Pinchot, Gifford—

B	Pinchot, Amos	Law; Politics	W.W.
F	Pinchot, James W.	Trade	W.W.
MF	Eno, Amos R.	Finance	A.C.

Pound, Roscoe—

Si	Pound, Louise	Philology	W.W.
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Robinson, Benjamin Lincoln—

B	Robinson, James H.	History	W.W.
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Shull, George Harrison—

B	SHULL, CHARLES ALBERT	Zoology	A.M.S.
B	Scholl, John W.	Literature	W.W.

Chemists

Acheson, Edward Goodrich—

FB	Acheson, Marcus Wilson	Law	W.W.
FBS	Acheson, Alexander M.	Civil Eng.	W.W.
FBS	Acheson, Alexander W.	Med; Politics	W.W.
FBS	Acheson, Ernest Francis	Journal; Politics	W.W.
FBS	Acheson, Marcus W. Jr.	Law	W.W.
FSiS	Brownson, Marcus A.	Ministry	W.W.
FSiD	Brownson, Mary Wilson	Literature; Math.	W.W.

Bancroft, Wilder Dwight—

FF	Bancroft, George	History	A.C.
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Blair, Andrew Alexander—

F Blair, Francis Preston Warfare; Politics A.C.

FF Blair, Francis Preston Journal; Politics A.C.

Burgess, Charles Frederick—

B Burgess, George H. Railway Eng. W.W.

Campbell, Edward DeMille—

B CAMPBELL, DOUGLAS H. Botany *A.M.S; W.W.

B Campbell, Henry Munroe Law W.W.

F Campbell, James V. Law A.C.

Chatard, Thomas Marean—

B Chatard, Francis Silas Educ; Ministry; W.W; A.C.
Med.

FB Chatard, Frederick Warfare A.C.

Crafts, James Mason—

MF Mason, Jeremiah Law A.C.

Dabney, Charles William—

F Dabney, Robert Lewis Educ; Ministry A.C.

Doremus, Charles Avery—

F DOREMUS, ROBERT O. Chemistry A.M.S; W.W;
A.C.

FM Doremus, S. P. (Haines) Philanthropy A.C.

Dunnington, Francis Perry—

MB Keener, John C. Ministry W.W; A.C.

Franklin, Edward Curtis—

B FRANKLIN, WILLIAM S. Physies *A.M.S; W.W.

Freer, Paul Casper—

B Freer, Frederick W. Art (Painting) W.W.

B FREER, OTTO TIGER Laryngology W.W.

Hilgard, Eugene Woldemar—

B HILGARD, JULIUS Math; Geodesy A.C.

B HILGARD, THEODORE C. Biology A.C.

F HILGARD, THEODORE E. Law A.C.

SiS TITTMAN, OTTO HILGARD Geodesy A.M.S; W.W.

Jackson, Charles Loring—

FSi Lowell, Anna C. J. Education A.C.

FF Jackson, Patrick Tracy Manufacturing A.C.

MF Loring, Charles Greely Insurance; Law W.W; A.C.

FSiS CABOT, ARTHUR TRACY Surgery W.W.

MBS Loring, William Caleb Law W.W.

FSiS Lowell, C. R. Warfare A.C.

Lewis, Gilbert Newton—

FB Lewis, Homer Pierce Education W.W.

Lloyd, John Uri—			
B	LLOYD, CURTIS GATES	Botany	A.C.
Loeb, Morris—			
B	Loeb, James	Finance; Archeol.	W.W.
More, Richard Bishop—			
F	Moore, William Thomas	Ministry; Editing	W.W.
MF	Bishop, Richard Moore	Politics; Trade	A.C.
Morely, Edward Williams—			
B	Moreley, John Henry	Ministry; Educ.	W.W.
Munroe, Charles Edward—			
FBS	Munroe, James Phinney	Mfg; Writing	W.W.
FBS	Munroe, Kirk	Fiction; Journal	W.W.
Norris, James Flack—			
B	NORRIS, RICHARD C.	Surgery	W.W.
Norton, Thomas Herbert—			
MB	HORSFORD, EBEN NORTON	Chemistry	A.C.
MF	Horsford, Jerediah	Warfare	A.C.
MBD	HORSFORD, CORNELIA	Archeology	W.W.
FBS	NORTON, LEWIS MILLS	Chemistry	A.C.
Noyes, William Albert—			
Si	Davidson, Hanna M. N.	Education; Lit.	A.C.
Orndorf, William Ridgely—			
MF	Ridgely, James Lot	Law	A.C.
Osborne, Thomas Burr—			
MB	BLAKE, ELI WHITNEY	Chem; Physics	A.C.
MF	Blake, Eli Whitney	Invention; Mfg.	A.C.
Palmer, Chase—			
FSiS	Harris, George	Ministry; Lit.	W.W.
MBS	Chase, George	Educ; Law	W.W.
Pellew, Charles Ernest—			
F	Pellew, Henry Edward	Philanthropy	W.W.
MB	Jay, John	Diplomacy	A.C.
MF	Jay, William	Law	A.C.
MBS	Jay, William	Law	W.W.
Pond, George Gilbert—			
½B	POND, FRANCIS JONES	Chemistry	A.M.S.
Reese, Charles Lee—			
B	Reese, Frederick Foeke	Ministry	W.W.
Richards, Theodore William—			
B	RICHARDS, HERBERT M.	Botany	*A.M.S; W.W.
F	Richards, William Trost	Art (Painting)	W.W; A.C.

Sadtler, Samuel Philip—

F	Sadtler, Benjamin	Ministry	A.C.
MB	Schmucker, B. Melancton	Ministry	A.C.
MB	Schmucker, Samuel M.	Writing	A.C.
MB	Schmucker, Samuel D.	Law	W.W.
MF	Schmucker, Samuel S.	Educ; Theol.	A.C.
MBS	SCHMUCKER, SAMUEL C.	Botany	A.M.S; W.W.

Sanger, Charles Robert—

F	Sanger, George P.	Law	A.C.
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Saunders, Arthur Percy—

B	SAUNDERS, CHARLES E.	Chemistry	A.M.S.
B	SAUNDERS, FREDERICK A.	Physics	*A.M.S; W.W.
B	SAUNDERS, WILLIAM E.	Ornith; Bot.	A.M.S.
F	SAUNDERS, WILLIAM	Horticulture	A.M.S.

Sherman, Henry Clapp—

B	SHERMAN, FRANKLIN, JR.,	Entomology	A.M.S.
FBS	Sherman, Frank D.	Architect; Poetry	W.W.

Shimer, Porter William—

FBS	SHIMER, HERVEY W.	Geology	A.M.S; W.W.
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Smith, Edgar Fahs—

B	SMITH, ALLEN JOHN	Pathology	A.M.S; W.W.
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Stieglitz, Julius Oscar—

B	Stieglitz, Alfred	Photog; Chem.	W.W.
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Stillman, John Maxon—

½B	STILLMAN, STANLEY	Surgery	W.W.
FB	Stillman, Thomas Bliss	Manufacturing	A.C.
FB	Stillman, William James	History; Journal	W.W; A.C.
FBS	STILLMAN, THOMAS B.	Chemistry	*A.M.S; W.W.

Stillman, Thomas Bliss—

FB	Stillman, Thomas Bliss	Manufacturing	A.C.
FB	Stillman, William James	History; Journal	W.W; A.C.
FBS	STILLMAN, JOHN MAXON	Chemistry	*A.M.S; W.W.
FBS	STILLMAN, STANLEY	Surgery	W.W.

Tuckerman, Alfred—

B	Tuckerman, Bayard	History	W.W.
MB	Gibbs, Alfred	Warfare	A.C.
MB	Gibbs, George	Antiquarianism	A.C.
MB	GIBBS, OLIVER WOLCOTT	Chemistry	*A.M.S; W.W; A.C.
FF	Tuckerman, Joseph	Ministry	A.C.
MF	GIBBS, GEORGE	Geology	A.C.
FSis	BECKER, GEORGE F.	Geology	*A.M.S; W.W.

VanSlyke, Lucius Lincoln—

S	VANSLYKE, DONALD D.	Chemistry	A.M.S.
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Venable, Francis Preston—

F	VENABLE, CHARLES S.	Astronomy	W.W; A.C.
MF	McDowell, James	Politics	A.C.

Waller, Elwyn—

B	Waller, Frank	Architecture	W.W; A.C.
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Geologists

Ashley, George Hall—

B	Ashley, Roscoe Lewis	History; Econ.	W.W.
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Becker, George Ferdinand—

MF	Tuckerman, Joseph	Ministry	A.C.
MBS	TUCKERMAN, ALFRED	Chemistry	*A.M.S; W.W.
MSiS	Tuckerman, Bayard	Biography; Hist.	W.W.

Brooks, Alfred Hulse—

F	BROOKS, THOMAS B.	Geology	A.C.
Si	Paige, Hildegard B.	Fiction	W.W.

Chamberlin, Thomas Corwin—

S	CHAMBERLIN, ROLLIN T.	Geology	A.M.S; W.W.
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Clarke, John Mason—

B	Clarke, Lorenzo Mason	Ministry	W.W.
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Dana, Edward Salisbury—

F	DANA, JAMES DWIGHT	Geology	A.C.
MB	SILLIMAN, BENJAMIN JR.	Chemistry	A.C.
MF	SILLIMAN, BENJAMIN	Chem; Geol.	A.C.

Davis, William Morris—

MF	Mott, James	Philanthropy	A.C.
MM	Mott, Lucretia	Ministry (Quaker)	A.C.

Farrington, Oliver Cummings—

B	Farrington, Wallace R.	Journalism; Hist.	W.W.
B	FARRINGTON, EDWARD H.	Chemistry	W.W.

Gilbert, Grove Karl—

F	Gilbert, Grove Sheldon	Art	A.C.
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Grant, Ulysses Sherman—

F	Grant, Lewis Addison	Law; Warfare	W.W; A.C.
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Hague, Arnold—

B	HAGUE, JAMES DUNCAN	Geology	A.M.S; W.W; A.C.
F	Hague, William	Ministry	A.C.

Harris, Gilbert Dennison—

B	HARRIS, ROLLIN ARTHUR	Geodesy	A.M.S; W.W.
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Hayes, Charles Willard—		
Si	HAYES, ELLEN	Mathematics A.M.S.
Hitchcock, Charles Henry—		
F	HITCHCOCK, EDWARD	Geol; Educ. A.C.
B	HITCHCOCK, EDWARD	Hygiene A.M.S; W.W; A.C.
BS	HITCHCOCK, EDWARD, JR.	Hygiene A.M.S; W.W.
Irving, John Duer—		
F	IRVING, ROLAND DUER	Geology A.C.
Jaggar, Thomas Augustus, Jr.—		
F	Jaggar, Thomas A.	Ministry W.W; A.C.
Keith, Arthur—		
MSiS	GALE, HOYT STODDARD	Geology A.M.S.
Mathews, Edward Bennett—		
B	Mathews, Shailer	Educ; Theol. W.W.
Merriam, John Campbell—		
B	Merriam, Charles E.	Politics; Hist. W.W.
Merrill, George Perkins—		
B	MERRILL, LUCIUS H.	Chemistry A.M.S; W.W.
Penrose, Richard Alex. Fullerton—		
B	Penrose, Boies	Politics; Law W.W.
B	PENROSE, CHARLES B.	Surg; Physics A.M.S; W.W.
B	Penrose, Spencer	Eng; Finance W.W.
F	PENROSE, RICHARD A. F.	Surgery A.M.S; W.W; A.C.
FB	Penrose, Clement B.	Law W.W.
FF	Penrose, Charles B.	Law A.C.
FBS	Penrose, Stephen B. L.	Educ; Philos. W.W.
Pumpelly, Raphael—		
D	Smyth, Margarette P.	Art (Painting) W.W.
M	Pumpelly, Mary Weller	Poetry A.C.
Rice, William North—		
S	RICE, EDWARD LORANUS	Zoology *A.M.S; W.W.
Scott, William Berryman—		
B	SCOTT, HUGH LENNOX	Warfare; Anthropol. W.W.
MB	Hodge, Archibald Alex.	Theology A.C.
MF	Hodge, Charles	Theology A.C.
Smith, James Perrin—		
B	Smith, Charles Forster	Philology W.W.
Stevenson, John James—		
MB	Willson, James McLeod	Philol; Theol. A.C.
MF	Willson, James Renwick	Philol; Theol. A.C.
MBS	Willson, David Burt	Philol; Theol. W.W; A.C.

Taylor, Frank Bensley—			
F	Stewart, Robert	Politics; Law	W.W.
Vaughn, Thomas Wayland—			
FBS	Vaughn, Horace Worth	Politics; Law	W.W.
Weed, Walter Harvey—			
F	Weed, Samuel Richards	Finance; Lit.	W.W.
Weller, Stewart—			
MB	Marran, J. T.	Law	W.W.
White, David—			
MSis	Kent, Charles Foster	Hist; Archeol.	W.W.
Willis, Bailey—			
F	Willis, Nathaniel P.	Poetry	A.C.
FB	Willis, Richard Storrs	Music	A.C.
Winchell, Alexander Newton—			
B	WINCHELL, HORACE V.	Geology	A.M.S; W.W.
F	WINCHELL, NEWTON H.	Geol; Archeol.	*A.M.S; W.W; A.C.
FB	WINCHELL, ALEXANDER	Geology	A.C.
FB	Winchell, Samuel R.	Educ; Journalism	W.W.
Winchell, Newton Horace—			
B	WINCHELL, ALEXANDER	Geology	A.C.
B	Winchell, Samuel R.	Educ; Journalism	W.W.
S	WINCHELL, ALEX. N.	Geology	*A.M.S; W.W.
S	WINCHELL, HORACE V.	Geology	A.M.S; W.W.
FBS	Winchell, Benj. La Fon	Ry. Management	W.W.
FB	Winchell, James M.	Ministry	A.C.
Wright, Frederic Eugene—			
B	WRIGHT, CHARLES WILL	Geology	A.M.S.

Mathematicians

Birkoff, George David—			
MB	Droppers, Garrett	Polit. Econ.	W.W.
Coolidge, Julian Lowell—			
B.	Coolidge, Archibald C.	History	W.W.
B	Coolidge, John Gardiner	Diplomacy	W.W.
B	Coolidge, J. Randolph Jr.	Architecture	W.W.
FB	Coolidge, Jefferson	Diplomacy	W.W; A.C.
FBS	Coolidge, T. Jefferson Jr.	Finance	W.W.
Fine, Henry Burchard—			
FF	Fine, John	Politics; Law	A.C.

Franklin, Fabian—			
MB	Heilprin, Michael	History; Sociol.	A.C.
MF	Heilprin, Phineas M.	Semitics	A.C.
MBS	HEILPRIN, ANGELO	Geology	*A.M.S; W.W; A.C.
MBS	Heilprin, Louis	Philology	W.W; A.C.
Halsted, George Bruce—			
F	Halsted, Oliver Spencer	Politics	A.C.
FF	Halsted, Oliver Spencer	Philology	A.C.
Johnson, William Woolsey—			
B	Johnson, Charles Fred.	Philology; Math.	W.W.
McClintock, Emory—			
F	McClintock, John	Educ; Ministry	A.C.
Moore, Eliakim Hastings—			
F	Moore, David Hastings	Educ; Ministry	W.W.
Pierce, Charles Santiago Sanders—			
B	Peirce, Herbert H. D.	Diplomacy	W.W.
B	PEIRCE, JAMES MILLS	Math; Educ.	*A.M.S; W.W; A.C.
F	PEIRCE, BENJAMIN	Mathematics	A.C.
FB	PEIRCE, CHARLES HENRY	Chem; Med.	A.C.
FF	Peirce, Benjamin	Library (Harvard)	A.C.
MF	Mills, Elijah Hunt	Politics	A.C.
Roe, Edward Drake Jr—			
FB	Roe, Francis Asbury	Warfare	W.W; A.C.
Slichter, Charles Summer—			
BS	SLICHTER, WALTER I.	Elec. Eng.	A.M.S; W.W.
Van Vleck, Edward Burr—			
F	VAN VLECK, JOHN M.	Astron; Math.	A.M.S; W.W; A.C.
Veblen, Oswald—			
F	VEBLEN, ANDREW A.	Math; Physics	A.M.S; W.W.
FB	Veblen, Thorstein B.	Economics	W.W.
Wilson, Edwin Bidwell—			
FB	Wilson, Frank E.	Politics; Law	W.W.

Pathologists

Biggs, Herman Michael—			
FBS	BIGGS, GEORGE PATTEN	Pathology	A.M.S.
Blumer, George—			
FBS	BLUMER, GEORGE ALDER	Neurol; Med.	W.W.

Cabot, Richard Clarke—			
FBS	CABOT, ARTHUR TRACY	Med; Surg.	W.W.
FBS	CABOT, GODFREY L.	Chemistry	W.W.
Christian, Henry Asbury—			
FBS	CHRISTIAN, GEORGE L.	Politics; Lit; War	W.W.
Cushing, Harvey Williams—			
B	CUSHING, HENRY	Geology	A.M.S; W.W.
B	CUSHING, WILLIAM E.	Law	W.W.
MSiS	CREHORE, ALBERT C.	Physics; Eng.	*A.M.S; W.W.
MSiS	CREHORE, WILLIAM W.	Mech. Eng.	W.W.
Dana, Charles Loomis—			
B	DANA, JOHN COTTON	Library	W.W.
Dock, George—			
Si	DOCK, LAVINA L.	Medicine	W.W.
Ernst, Harold Clarence—			
B	ERNEST, GEORGE ALEX.	Law	W.W.
B	ERNST, OSWALD H.	Astron; War; Eng.	W.W.
MF	OTIS, GEORGE ALEX.	Surgery	A.C.
Flexner, Simon—			
B	FLEXNER, ABRAHAM	Education	W.W.
Hurd, Henry Mills—			
‡B	HURD, ARTHUR W.	Psychiatry	W.W.
Loeb, Leo—			
B	LOEB, JACQUES	Zoology	*A.M.S; W.W.
MacCallum, William George—			
B	MACCALLUM, JOHN B.	Anatomy	*A.M.S; W.W.
F	MACCALLUM, GEORGE A.	Ornith; Med.	W.W.
Mitchell, Silas Weir—			
S	MITCHELL, JOHN K.	Neurology	A.M.S; W.W.
S	MITCHELL, LANGDON E.	Playwriting	W.W.
F	MITCHELL, JOHN K.	Chem; Med.	A.C.
Musser, John Herr—			
MBS or FSiS	HERR, EDWIN M.	Elec. Eng.	W.W.
Park, William Hallock—			
MF	HALLOCK, WILLIAM S.	Editing; Ministry	A.C.
MSiS	JOHNSON, WILLIAM H.	Ministry; Philos.	W.W.
Putnam, James J.—			
MF	JACKSON, JAMES	Clin. Med.	A.C.

Ravenel, Mazyck Porcher—

FBS	RAVENEL, HENRY W.	Botany	A.C.
MBS	PORCHER, FRANCIS P.	Botany; Chem.	A.C.

Thayer, William Sydney—

B	Thayer, Ezra Ripley	Law	W.W.
F	Thayer, James Bradley	Law	A.C.
MSis	Simons, Edward	Art (Painting)	W.W.

Warren, John Collins—

F	WARREN, JONATHAN M.	Surg; Med.	A.C.
FF	WARREN, JOHN COLLINS	Surgery	A.C.
FSis	DWIGHT, THOMAS	Anatomy	*A.M.S; W.W; A.C.

Williams, Herbert Upham—

Si	Williams, Eliz. Sprague	Sociology	W.W.
FSis	Sprague, Carleton	Finance; Art	W.W.

Welch, William Henry—

FSis	Cowles, John Guiteau	Finance	W.W.
MBS	Collin, Frederick Welch	Law	W.W.
MBS	Collin, Charles Avery	Law	W.W.

Physicists

Abbe, Cleveland—

B	ABBE, ROBERT	Surg; Physics	A.M.S; W.W.
S	ABBE, CLEVELAND, JR.	Meteorol; Geog.	A.M.S; W.W.
S	ABBE, TRUMAN	Surg; Physiol.	W.W.
FSis	Smith, Guilford	Finance; Philanth.	W.W.

Abbot, Charles Greeley—

FBS	Abbot, Henry Larcom	Eng; Warfare	A.M.S; W.W.
FBS	Abbot, Edwin Hale	Finance; Law	W.W.

Bauer, Louis Agricola—

B	BAUER, WILLIAM C.	Elec. Eng.	A.M.S; W.W.
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Bell, Alexander Graham—

F	BELL, ALEX. MELVILLE	Physiology	A.M.S; W.W; A.C.
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Bell, Louis—

F	Bell, Louis	Warfare; Chem.	A.C.
FB	Bell, James	Politics; Law	A.C.
FB	BELL, JOHN	Editing; Med.	A.C.
FB	BELL, LUTHER V.	Medicine	A.C.
FB	Bell, Samuel Dana	Law	A.C.
MB	Bouton, John Bell	Editing	A.C.
MF	Bouton, Nathaniel	Ministry	A.C.
FF	Bell, Samuel	Politics; Law	A.C.
FBS	Bell, Samuel Newell	Politics; Law	A.C.

Buckingham, Edgar—

FF	Buckingham, Joseph T.	Editing; Publish.	A.C.
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Crehore, Albert Cushing—

B	CREHORE, WILLIAM W.	Bridge Eng.	W.W.
MSiS	CUSHING, HARVEY W.	Pathology	*A.M.S.; W.W.
MSiS	CUSHING, HENRY PLATT	Geology	A.M.S.; W.W.
MSiS	Cushing, William E.	Law	W.W.

Davis, Harvey Nathaniel—

F	DAVIS, NATHANIEL F.	Mathematics	A.M.S.; W.W.
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Duane, William—

B	Duane, Russel	Law	W.W.
FF	Duane, William.	Publishing	A.C.

Franklin, William Suddards—

B	FRANKLIN, EDWARD C.	Chemistry	*A.M.S.; W.W.
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Hering, Carl—

B	HERING, RUDOLPH	Hydraulic Eng.	A.M.S.
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Humphreys, William Jackson—

FB	Humphreys, Milton W.	Philology	W.W.; A.C.
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Ives, Frederick Eugene—

S	IVES, HERBERT EUGENE	Physics	A.M.S.
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Jackson, Dugald Caleb—

B	JACKSON, JOHN PRICE	Elec. Eng.	W.W.
B	Jackson, William B.	Engineering	W.W.
FSiS	Cravath, Paul Drennan	Law	W.W.

Kent, Norton Adams—

B	Kent, William	Philanthropy	W.W.
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Kimball, Arthur Lalanne—

B	Kimball, A. Redington	Finance	W.W.
MB	Fisher, Samuel Ware	Ministry; Educ.	A.C.
MBS	Fisher, Samuel S., Jr.	Politics; Law	A.C.

Kinsley, Carl—

F	Kinsley, William W.	Math; Theology	W.W.
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Lyman, Theodore—

F	LYMAN, THEODORE	Zoology	A.C.
FF	Lyman, Theodore	Philanthropy	A.C.

Magie, William Francis—

F	Magie, William Jay	Politics; Law	W.W.
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Mann, Charles Reborg—

F	Mann, Charles H.	Inventing; Editing; Ministry	W.W.
FSi	Miller, Harriet Mann	Ornith; Writing	W.W.

Mendenhall, Thomas Corwin—			
S	MENDENHALL, C. E.	Physics	*A.M.S; W.W.
Mendenhall, Charles Elwood—			
F	MENDENHALL, T. C.	Physics	*A.M.S; W.W; A.C.
More, Lewis Trenchard—			
B	More, Enoch Anson, Jr.	Fiction	W.W.
B	More, Paul Elmer	Poetry; Editing	W.W.
MF	Elmer, Lucius Q. C.	Politics; Law	A.C.
Northrup, Edwin Fitch—			
B	Northrup, Elliott Judd	Law	W.W.
F	Northrup, Ansel Judd	Law	W.W; A.C.
FB	NORTHROP, WILLIAM P.	Pathology	A.M.S; W.W.
MB	Fitch, Charles Elliott	Editing; Educ.	W.W.
Parson, William Barclay—			
B	PARSONS, HARRY DEB.	Mech. Eng.	A.M.S; W.W.
Rotch, Abbott Lawrence—			
B	Rotch, Arthur	Architecture	A.C.
MF	Lawrence, Abbott	Diplomacy	A.C.
FBS	ROTCH, THOMAS M.	Pediatrics	*A.M.S; W.W.
MSiS	Lowell, Abbott Lawrence	Educ.	W.W.
MSiS	LOWELL, PERCIVAL	Astronomy	*A.M.S; W.W; A.C.
MSiD	Lowell, Amy	Poetry	W.W.
Saunders, Frederick Albert—			
B	SAUNDERS, ARTHUR P.	Chemistry	*A.M.S; W.W.
B	SAUNDERS, CHARLES E.	Chemistry	A.M.S.
B	SAUNDERS, WILLIAM E.	Botany	A.M.S.
F	SAUNDERS, WILLIAM	Horticulture	A.M.S.
Stevens, Walter LeCont—			
MB	LECONTE, JOHN	Physics	A.C.
MB	LECONTE, JOSEPH	Geology	W.W; A.C.
MF	LECONTE, LEWIS	Botany	A.C.
MBS	LECONTE, JOSEPH N.	Mech. Eng.	A.M.S; W.W.
Stewart, Oscar Milton—			
B	STEWART, GEORGE W.	Physics	*A.M.S; W.W.
Stewart, George Walter—			
B	STEWART, OSCAR M.	Physics	*A.M.S; W.W.
Trowbridge, Charles Christopher—			
B	Trowbridge, S. B. P.	Architecture	W.W.
F	TROWBRIDGE, W. P.	Engineering	A.C.

Very, Frank Washington—

FB	Very, Jones	Lit; Ministry	A.C.
FSi	Very, Lydia Louisa A.	Literature	W.W.; A.C.

Wead, Charles Dasson—

MB	Kasson, John Adams	Politics	W.W.; A.C.
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Whitman, Frank Perkins—

MSiS	Taylor, James Monroe	Educ; Ethics	W.W.; A.C.
MSiD	Bissell, Mary Taylor	Medicine	W.W.

Wood, Robert Williams—

MBS	DAVIS, BRADLEY MOORE	Botany	*A.M.S; W.W.
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Wurts, Alexander Jay—

B	Wurts, John	Law	W.W.
MF	JAY, JOHN CLARKSON	Medicine	A.C.

Zeleny, John—

B	ZELANY, ANTHONY	Physics	*A.M.S; W.W.
B	ZELANY, CHARLES	Zoology	*A.M.S; W.W.

Zeleny, Anthony—

B	ZELANY, CHARLES	Zoology	*A.M.S; W.W.
B	ZELANY, JOHN	Physics	*A.M.S; W.W.

Physiologists

Curtis, John Green—

B	Curtis, Edward	Medicine	W.W.; A.C.
B	Curtis, Joseph Bridgham	Warfare; Eng.	A.C.
½B	Curtis, George William	Lit; Publishing	W.W.
BD	Curtis, Constance	Art (Painting)	W.W.
BD	Curtis, Natalie	Music	W.W.

Dawson, Percy Millard—

FB	Dawson, Samuel Edward	Hist; Publishing	A.C.
FSiS	ADAMS, FRANK DAWSON	Geology	A.M.S.

Hare, Hobart Amory—

F	Hare, William Hobart	Ministry	A.C.
FF	Hare, George Enlen	Ministry	A.C.
MF	Howe, Mark A. DeWolfe	Ministry	W.W.; A.C.
MBS	Howe, Mark A. DeWolfe	Editing	W.W.

Henderson, Yandell—

MB	YANDELL, DAVID WENDEL	Surgery	A.C.
MF	YANDELL, LUNSFORD	Geology; Med.	A.C.

Hough, Theodore—

FBS	HOUGH, WALTER	Anthropology	*A.M.S; W.W.
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Lee, Frederic Schiller—

B	LEE, LESLIE ALEXANDER	Zool; Geol.	*A.M.S; W.W.
B	Lee, John Clarence	Edu; Ministry	W.W.
F	Lee, John Stebbins	Edu; Ministry	W.W.

Lusk, Graham—

F	LUSK, WILLIAM T.	Physiol; Med.	A.C.
MF	Chittenden, Simson B.	Finance; Politics	A.C.

Sewall, Henry—

FF	SEWELL, THOMAS	Medicine	A.C.
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Psychologists

Angell, James Rowland—

B	Angell, Alexis Caswell	Law	W.W.
F	Angell, James Burrill	Edu; Diplomacy	W.W; A.C.
MF	CASWELL, ALEXIS	Astron; Edu.	A.C.
FBS	ANGELL, FRANK	Psychology	*A.M.S; W.W.

Angell, Frank—

FB	Angell, James Burrill	Edu; Diplomacy	W.W; A.C.
FBS	Angell, Alexis Caswell	Law	W.W.
FBS	ANGELL, JAMES R.	Psychology	*A.M.S; W.W.

Bently, Madison—

F	Bently, Charles E.	Ministry	W.W; A.C.
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Bryan, William Lowe—

B	Bryan, Enoch Albert	Education	W.W.
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Cattell, James McKeen—

B	CATTELL, HENRY WARE	Pathology	A.M.S; W.W.
F	Cattell, William	Edu; Ministry	A.C.
FB	Cattell, Alexander	Finance; Politics	A.C.
FBS	Cattell, Edward James	Econ; Geog; Lit.	W.W.
FBS	Cattell, William A.	Engineering	W.W.

Delabarre, Edmund Burke—

B	Delabarre, Frank Alex.	Med; Dentistry	W.W.
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Dewey, John—

B	Dewey, Davis Rich	Econ; Statistics	W.W.
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Hall, Granville Stanley—

MBS	BEALS, EDWARD ALDEN	Meteorology	W.W.
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Jastrow, Joseph—

B	Jastrow, Morris	Theol; Sociol.	W.W.
F	Jastrow, Marcus	Philology	W.W.

Patrick, George Thomas White—

Si	Patrick, Mary Mills	Educ; Writing	W.W.
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Sanford, Edmund Clark—

MSiS	SHINN, CHARLES H.	Botany	W.W.
MSiD	SHINN, MILICENT W.	Psychology	A.M.S.; W.W.

Stratton, George Malcolm—

B	Stratton, Frederick S.	Law	W.W.
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Strong, Charles Augustus—

F	Strong, Augustus H.	Educ; Theology	W.W.; A.C.
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Thorndike, Edward Lee—

B	Thorndike, Ashley H.	Philology	W.W.
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Wells, Frederic Lyman—

F	Wells, Benjamin Willis	Language; Econ.	W.W.
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Woodworth, Robert Sessions—

½B	Woodworth, Frank G.	Educ; Ministry	W.W.
MB	Sessions, William R.	Politics; Agric.	W.W.

Zoologists

Andrews, Ethan Allen—

B	ANDREWS, HORACE	Civil Eng.	A.M.S.
FF	Andrews, Ethan Allen	Lexicography	A.C.

Bruce, Charles Thomas—

½B	Armstrong, William	Musical Criticism	W.W.
½Si	Benough, Elisa A.	Fiction	W.W.

Clark, Hubert Lyman—

F	CLARK, WILLIAM S.	Chemistry	A.C.
MF	Richards, William	Education	A.C.
MBS	WILLISTON, ARTHUR L.	Mech. Eng.	W.W.
MBS	Williston, Samuel	Law	W.W.

Crampton, Henry Edward—

MB	Miller, Charles Henry	Art (Painting)	W.W.; A.C.
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Dahlgren, Ulric—

FB	Dahlgren, Ulric	Warfare	A.C.
FF	DAHLGREN, JOHN A.	Math; Warfare	A.C.

Dall, William Healey—

F	Dall, Charles Henry A.	Ministry	A.C.
M	Dall, Caroline Wells H.	Lecturing; Lit.	W.W.; A.C.

Davenport, Charles Benedict—			
B	Davenport, William E.	Sociol; Ministry	W.W.
Si	Davenport, Frances G.	History	W.W.
Drew, Gilman Arthur—			
B	Drew, William Lincoln	Law	W.W.
Forbes, Stephen Alfred—			
S	FORBES, ERNEST B.	Entomology	W.W.
BS	FORBES, ROBERT H.	Soil Chemistry	A.M.S.; W.W.
Gage, Simeon Henry—			
Si	GAGE, MARY	Sanitation	W.W.
Gerould, John Hiram—			
B	Gerould, Gordon Hall	Philology	W.W.
B	Gerould, James	Library	W.W.
Glaser, Otto Charles—			
F	GLASER, CHARLES	Chemistry	A.M.S.
Grave, Caswell—			
B	GRAVE, BENJAMIN H.	Zoology	A.M.S.
Gulick, John Thomas—			
S	GULICK, ADDISON	Zoology	A.M.S.
F	Gulick, Peter Johnson	Ministry	A.C.
BS	GULICK, LUTHER H.	Physiol; Educ.	A.M.S.; W.W.
BS	Gulick, Sidney Lewis	Ministry; Writing	W.W.
BD	Jewetts, Frances Gulick	Hygiene	W.W.
FBS	Gulick, Charles Burton	Philology	W.W.
Hargitt, Charles Wesley—			
S	HARGITT, GEORGE T.	Geology	A.M.S.
Herrick, Charles Judson—			
B	HERRICK, CLARENCE L.	Neurology	A.M.S.
Howard, Leland Ossian—			
MSiS	Stimson, Henry Lewis	Politics; Warfare	W.W.
MSiD	Keith, Dora Wheeler	Portrait Painting	W.W.
Jayne, Horace—			
B	Jayne, Henry La Barre	Law	W.W.
F	JAYNE, DAVID	Medicine; Pharmacy	A.C.
Lefevre, George—			
B	Lefevre, Albert	Philosophy	W.W.
B	Lefevre, Arthur	Education	W.W.

Lillie, Frank Rattray—			
B	LILLIE, RALPH STAYNER	Zoology	*A.M.S.
Lillie, Ralph Stayner—			
B	LILLIE, FRANK R.	Zoology	*A.M.S.; W.W.
Loeb, Jacques—			
B	LOEB, LEO	Pathology	*A.M.S.; W.W.
Mayer, Alfred Goldborough—			
F	MAYER, ALFRED M.	Physics	A.C.
FB	Mayer, Francis B.	Art	A.C.
Merriam, Clinton Hart—			
Si	BAILEY, FLORENCE M.	Ornithology	A.M.S.; W.W.
FB	Merriam, Augustus C.	Archeol; Philol.	A.C.
Metcalf, Maynard Mayo—			
B	Metcalf, Irving Wight	Finance;	W.W.
		Ministry	
B	METCALF, WILMOT V.	Chemistry	A.M.S.
FBS	Metcalf, Wilder S.	Warfare;	W.W.
		Finance	
Montgomery, Thomas Harrison—			
B	Montgomery, James A.	Theol; History	W.W.
MB	Morton, James St. Clair	Warfare	A.C.
MB	MORTON, THOMAS G.	Surgery	A.C.
MF	MORTON, SAMUEL G.	Ethnol; Path;	A.C.
		Anat.	
Moore, John Percy—			
B	MOORE, HENRY FRANK	Zoology	A.M.S.; W.W.
Newman, Horatio Hackett—			
F	Newman, Albert Henry	History; Theol.	W.W.
Nutting, Charles Cleveland—			
MB	Hunt, Henry	Warfare	A.C.
MB	Hunt, Lewis Cass	Warfare	A.C.
Osborn, Henry Fairfield—			
B	Osborn, William Church	Law; Politics	W.W.
MF	Sturges, Jonathan	Trade	A.C.
Peckham, George Williams—			
FB	Peckham, R. Wheeler	Law	A.C.
FBS	Peckham, R. Wheeler, Jr.	Law	W.W.; A.C.
FBS	Peckham, Wheeler H.	Law	W.W.; A.C.
Rice, Edward Loranus—			
F	RICE, WILLIAM NORTH	Geology	*A.M.S.; W.W.; A.C.

Shufeldt, Robert Wilson—			
F	Shufeldt, Robert W.	Warfare	A.C.
Stone, Witmer—			
F	Stone, Frederick D.	History; Library	A.C.
True, Frederick William—			
B	TRUE, ALFRED CHARLES	Educa; Agriculture	A.M.S.; W.W.
F	True, Charles Kitredge	Ministry	A.C.
Verrill, Addison Emery—			
S	VERRILL, ALPHEUS H.	Zoology	A.M.S.; W.W.
Ward, Henry Baldwin—			
F	WARD, RICHARD H.	Bot; Microscopy	A.M.S.; W.W; A.C.
FSi	Ward, Anna Lydia	Ethnol; Lexicog.	W.W.; A.C.
Weed, Clarence Moores—			
B	WEED, HOWARD EVARTS	Entomology	A.M.S.
Zeleny, Charles—			
B	ZELENY, ANTHONY	Physics	*A.M.S.; W.W.
B	ZELENY, JOHN	Physics	*A.M.S.; W.W.

RELATIVES OF THE WIVES OF MEN OF SCIENCE

The same general plan used in the listing of the men of science and their distinguished relatives is followed below.

Anatomists

Donaldson, Mrs. Henry Herbert—			
F	Vaux, Calvert	Architecture	A.C.
MB	McEntee, Jervis	Architecture	A.C.

Anthropologists

McGee, Mrs. W. J.—			
F	NEWCOMB, SIMON	Astronomy	*A.M.S.; W.W; A.C.
MB	Hassler, Ferdinand A.	Med; Literature	W.W.

Astronomers

Doolittle, Mrs. Charles Leander—			
B	Wolle, Fred	Music	W.W.
S	DOOLITTLE, ERIC	Astronomy	*A.M.S.; W.W.
F	WOLLE, FRANCIS	Botany	A.C.

Frost, Mrs. Edwin Brant—			
F	Hazard, Marshal	Editing	W.W.
Holden, Mrs. Edward Singleton—			
B	CHAUVENET, REGIS	Mining Eng.	W.W.; A.C.
B	CHAUVENET, WILLIAM M.	Chemistry	A.M.S.; W.W.
F	CHAUVENET, WILLIAM	Mathematics	A.C.
Loud, Mrs. Frank Herbert—			
B	WILEY, WALTER H.	Mining Eng.	W.W.
Mitchell, Mrs. Samuel Alfred—			
F	DUMBLE, EDWIN T.	Geology	A.M.S.; W.W.
Pickering, Mrs. Edward Charles—			
F	Sparks, Jared	History; Educ.	A.C.
MF	Silsbee, Nathaniel	Politics	A.C.
Pritchett, Mrs. Henry Smith—			
FB	McAllister, Julian	Warfare	A.C.
FF	McAllister, Nath. Hall	Law	A.C.
FBS	McAllister, Ward	Jurisprudence	W.W.; A.C.
Wright, Mrs. William Hammond—			
F	Leib, Samuel	Law; Horticulture	W.W.

Botanists

Atkinson, Mrs. George Francis—			
F	KERR, W. C.	Geology	A.C.
Bessey, Mrs. Charles E.—			
S	BESSEY, ERNST A.	Botany	*A.M.S.; W.W.
Clements, Mrs. Frederic Edward—			
Si	Schwartz, Julia	Literature	W.W.
Coulter, Mrs. John Merle—			
S	COULTER, JOHN G.	Botany	A.M.S.
Coulter, Mrs. Stanley—			
B	Post, Roswell Olcott	Ministry	W.W.
FB	Post, Truman	Ministry	A.C.
Farlow, Mrs. William Gilson—			
Si	Horsford, Cornelia	Archeology	W.W.
F	HORSFORD, EBEN N.	Chemistry	A.C.
M	Horsford, Mary L. H.	Poetry	A.C.
FF	Horsford, Jedediah	Warfare; Politics	A.C.
Ganong, Mrs. William Francis—			
B	Carman, Bliss	Poetry; Editing	W.W.

Greenman, Mrs. Jesse More—			
MSiS	Hartranft, John F.	Politics	A.C.
Pinchot, Mrs. Gifford—			
F	Bryce, Lloyd S.	Editing; Politics	W.W.
MF	Cooper, Edward	Finance; Politics	W.W.
Ramaley, Mrs. Francis—			
F	JACKSON, EDWARD	Ophthalmology	W.W.
Rose, Mrs. Joseph Nelson—			
FB	Sims, Charles R.	Ministry; Educ.	A.C.
Stone, Mrs. George Edward—			
F	CLARK, HENRY JAMES	Botany	A.C.
Wilson, Mrs. William Posell—			
FF	Williams, Charles K.	Politics	A.C.

Chemists

Bigelow, Mrs. Samuel Lawrence—			
MF	Harrison, Joseph	Railroad Building	A.C.
Burgess, Mrs. Charles Frederick—			
B	Jackson, Charles F.	Literature	W.W.
Cushman, Mrs. Allerton Seward—			
B	Hoppin, Joseph Clark	Archeology; Art	W.W.
FB	Hoppin, Augustus	Art; Literature	A.C.
FB	Hoppin, Thomas	Art; Sculptoring	A.C.
FB	Hoppin, William Jones	Stage; Editing	A.C.
Franklin, Mrs. Edward Curtis—			
B	Scott, Charles Fred.	Politics	W.W.
Gies, Mrs. William John—			
MB	Tressler, David	Education	A.C.
MBS	Tressler, Victor	Education	W.W.
Kahlenberg, Mrs. Louis—			
B	HEALD, FRED. DEFOREST	Botany	*A.M.S.; W.W.
Long, Mrs. John Harper—			
FB	Stoneman, George	Warfare	A.C.
Marshall, Mrs. John—			
F	WORMLEY, T. G.	Chemistry	A.C.

Munroe, Mrs. Charles Edward—

F	BARKER, GEORGE FRED.	Physics	*A.M.S; W.W; A.C.
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Osborne, Mrs. Thomas Burr—

F	JOHNSON, SAMUEL WM.	Chemistry	*A.M.S; W.W; A.C.
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Palmer, Mrs. Chase—

FBS	Edwards, Howard	Educ;	W.W.
FBD	Edwards, Louise	Linguistics	W.W.
		Literature	

Pellew, Mrs. Charles Ernest—

F	CHANDLER, CHARLES F.	Chemistry	*A.M.S; W.W; A.C.
FB	CHANDLER, WILLIAM H.	Chemistry	A.M.S; W.W; A.C.

Richards, Mrs. Theodore Wm.—

F	Thayer, Joseph Henry	Theology	W.W; A.C.
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Sanger, Mrs. Charles Robert—

F	Davis, Andrew	Numismatics	W.W; A.C.
FB	Davis, Hasbrook	Warfare	A.C.
FB	Davis, Horace	Manufacturing	A.C.
FB	Davis, John C. B.	Diplomacy	A.C.
FF	Davis, John	Politics	A.C.
FBS	Davis, John	Law; Diplomacy	A.C.

Saunders, Mrs. Arthur Percy—

F	Brownell, Silas B.	Law	W.W.
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Shimer, Mrs. Porter William—

B	Sandt, George W.	Ministry; Editing	W.W.
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Talbot, Mrs. Henry Paul—

FSiS	Baker, Newton D.	Law; Diplomacy	W.W.
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Tassin, Mrs. Wirt—

F	Moran, Thomas	Art; Exploration	W.W; A.C.
M	Moran, Mary Nimo	Art	A.C.
FB	Moran, Edward	Art	A.C.
FB	Moran, Peter	Art	W.W; A.C.
FBS	Moran, John Leon	Art	W.W; A.C.
FBS	Moran, Edward Percy	Art	W.W; A.C.
FBD	Moran, Annette	Art	W.W.

Van Slyke, Mrs. Lucius L.—

S	VAN SLYKE, DONALD D.	Chemistry	A.M.S.
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Venable, Mrs. Francis Preston—

B Manning, Jaines S. Jurisprudence W.W.

FB Manning, Thomas C. Jurisprudence A.C.

Wiechman, Mrs. Ferdinand G.—

B Damrosch, Frank Music W.W; A.C.

B Damrosch, Walter Music W.W; A.C.

F Damrosch, Leopold Music A.C.

Wiley, Mrs. Harvey Washington—

F Kelton, John C. Warfare; A.C.
Sociol.*Geologists*

Brooks, Mrs. Alfred Hulse—

F BAKER, FRANK Anatomy *A.M.S; W.W.

Chamberlin, Mrs. T. C.

S CHAMBERLIN, R. T. Geology A.M.S; W.W.

Cross, Mrs. Whitman—

FBS Stevens, Isaac I. Exploration; A.C.
Eng.

Eastman, Mrs. Charles—

F CLARK, ALVAN G. Astronomy A.C.

FF CLARK, ALVAN Astronomy A.C.

Gannet, Mrs. Henry—

FSiS Gerdon, Seth C. Surgery W.W.

MSiS Howe, Lucien Ophthalmology W.W.

Grant, Mrs. Ulysses Sherman—

B WINCHELL, ALEX. N. Geology *A.M.S; W.W.

B WINCHELL, HORACE V. Geology A.M.S; W.W.

F WINCHELL, NEWTON H. Geology *A.M.S; W.W;
A.C.

FB WINCHELL, ALEXANDER Geology A.C.

FB Winchell, Samuel R. Educ; Lit. W.W.

Harris, Mrs. Gilbert Dennison—

FB Stoneman, George Warfare A.C.

Hitchcock, Mrs. Charles Henry—

F Barrows, E. P. Linguistics A.C.

Hobbs, Mrs. William Herbert—

BS Kimball, Alonzo Art W.W.

FSiS BANISTER, HENRY Geol; Med. A.M.S.

Mathews, Mrs. Edward Bennett—

B WHITMAN, FRANK P. Physics *A.M.S; W.W.

Pirsson, Mrs. Louis Valentine—			
F	BRUSH, GEORGE JARVIS	Mineralogy	*A.M.S; W.W; A.C.
Pumpelly, Mrs. Raphael—			
D	Smyth, Margarita P.	Art	W.W.
SiS	Hill, Edward B.	Music	W.W.
MBS	Pope, Alexander	Painting	W.W.
Rice, Mrs. William North—			
S	RICE, EDWARD L.	Zoology	*A.M.S; W.W.
Smith, Mrs. Eugene Allen—			
F	Garland, Landon C.	Education	A.C.
FB	Garland, Hugh A.	Law; Warfare	A.C.
FBS	Garland, Hugh A.	Law; Warfare	A.C.
FBS	Garland, Samuel	Law; Warfare	A.C.
Stevenson, Mrs. John James—			
BS	Ewing, Nathaniel	Jurisprudence	W.W.
Vaughn, Mrs. Thomas Wayland—			
FF	Upham, Charles W.	Lit; Theol; Polit.	A.C.
Weed, Mrs. Walter Harvey—			
F	Hill, Ebenezer J.	Politics	W.W.
Willis, Mrs. Bailey—			
F	BAKER, FRANK	Anatomy	*A.M.S; W.W.
Winchell, Mrs. N. H.—			
S	WINCHELL, ALEXANDER	Geology	*A.M.S; W.W.
S	WINCHELL, HORACE V.	Geology	A.M.S; W.W.

Mathematicians

Beman, Mrs. Wooster Woodruff—			
B	Burton, Ernest DeWitt	Theology	W.W.
B	Burton, Henry	Linguistics; Educ.	W.W.
Echols, Mrs. William Holding—			
MB	Tucker, H. St. George	Law	A.C.
MB	Tucker, Nathaniel B.	Law; Literature	A.C.
MF	Tucker, St. George	Linguistics	A.C.
FF	Harrison, Gess	Linguistics	A.C.
MBS	Tucker, John R.	Politics	A.C.
MBS	Tucker, Nathaniel B.	Journal; Lit.	A.C.
Lehmer, Mrs. Derrick Norman—			
B	Mitchell, Wesley C.	Economics	W.W.

McMahon, Mrs. James—			
B	Crane, Thomas F.	Linguistics	W.W.
Moore, Mrs. Eliakim Hastings—			
½B	YOUNG, JOHN WESLEY	Mathematics	*A.M.S; W.W.
Peirce, Mrs. Charles Santiago S.—			
Si	Fay, Amy	Music	W.W.
MB	Hopkins, Casper	Journalism	A.C.
MB	Hopkins, Charles J.	Music	A.C.
MB	Hopkins, Edward A.	Finance	A.C.
MB	HOPKINS, FRED V.	Medicine	A.C.
MB	Hopkins, John H.	Ministry; Poetry	A.C.
MF	Hopkins, John H.	Ministry	A.C.
Roe, Mrs. Edward Drake, Jr.—			
B	Robinson, Maurice H.	Polit. Economy	W.W; A.C.
Veblen, Mrs. Oswald—			
B	RICHARDSON, OWEN W.	Physics	*A.M.S; W.W.

Pathologists

Barker, Mrs. Lewellys—			
B	HALSEY, JOHN TAYLOR	Medicine	A.M.S; W.W.
Cabot, Mrs. Richard Clarke—			
MB	Lowell, John	Jurisprudence	W.W.
MBS	Lowell, Abbot Lawrence	Educ; Hist;	W.W.
MBS	Lowell, Francis C.	Jurisprudence	W.W.
MBS	LOWELL, PERCIVAL	Astronomy	*A.M.S; W.W; A.C.
MBD	Lowell, Amy	Poetry	W.W.
Dana, Mrs. Charles Loomis—			
MB	Opdyke, William S.	Law	W.W.
MF	Opdyke, George	Finance; Politics	A.C.
Edsall, Mrs. David Linn—			
MB	Foote, Arthur	Music	W.W; A.C.
Ernst, Mrs. Harold Clarence—			
B	Frothingham, Louis A.	Law	W.W.
B	Frothingham, Paul R.	Ministry	W.W.
FSi	Ernst, Ellen F.	Linguistics; Lit.	W.W; A.C.
FF	Frothingham, Nathaniel	Ministry	A.C.
MF	Lunt, William P.	Ministry	A.C.
FB	Frothingham, O. B.	Ministry	A.C.
Fitz, Mrs. Reginald Heber—			
F	CLARKE, EDWARD H.	Medicine	A.C.

Flexner, Mrs. Simon—

B	THOMAS, HENRY M.	Neurology	A.M.S; W.W.
Si	Thomas, Carey	Educ; Literature	W.W.

Jordan, Mrs. Edward Oakes—

MBS or MSiS	LOMBARD, W. P.	Physiology	*A.M.S; W.W.
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Meyer, Mrs. Adolf—

Si	Paige, Hildegard B.	Literature	W.W.
B	BROOKS, ALFRED HULSE	Geology	*A.M.S; W.W.
F	BROOKS, T. B.	Geology	A.C.

Mitchell, Mrs. S. Wier—

S	MITCHELL, JOHN K.	Neurology	A.M.S; W.W.
S	Mitchell, Langdon E.	Playwright	W.W.

Pearce, Mrs. Richard Mills—

F	MUSSER, JOHN HERR	Pathology	*A.M.S; W.W.
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Putnam, Mrs. James Jackson—

MB	Channing, William H.	Ministry	A.C.
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Ravenel, Mrs. Mazyeh Porcher—

MF	Allston, R. F. W.	Politics	A.C.
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Warren, Mrs. John Collins—

FB	Shaw, Francis G.	Finance; Sociol.	A.C.
FF	Shaw, Robert G.	Finance; Warfare	A.C.
FBS	Shaw, Robert G.	Warfare	A.C.
FSiS	Oliver, Robert S.	Politics	W.W.

Physicists

Abbe, Mrs. Cleveland, Sr.—

S	ABBE, CLEVELAND, JR.	Meteorology	A.M.S; W.W.
S	ABBE, TRUMAN	Surg; Physiol.	W.W.

Bedell, Mrs. Fred—

B	CREHORE, A. CUSHING	Elec. Eng.	*A.M.S.
B	CREHORE, WILLIAM W.	Civil Eng.	W.W.
MSiS	CUSHING, HARVEY	Pathology	*A.M.S; W.W.
MSiS	CUSHING, HENRY PLATT	Geology	A.M.S; W.W.
MSiS	Cushing, William E.	Law	W.W.

Briggs, Mrs. Lyman James—

F	COOK, ALBERT JOHN	Zoology	A.M.S; W.W; A.C.
MB	BALDWIN, JAMES	Surgery	W.W.

Crawford, Mrs. Morris Barker—			
B	RICE, WILLIAM NORTH	Geology	*A.M.S; W.W; A.C.
BS	RICE, EDWARD LORANUS	Zoology	*A.M.S; W.W.
Day, Mrs. William Scofield—			
MF	Hoe, Richard	Inventing	A.C.
Dorsey, Mrs. Noah Ernst—			
B	BOWIE, EDWARD H.	Meteorology	W.W.
B	BOWIE, WILLIAM	Geology	A.M.S; W.W.
Ferry, Mrs. Ervin Sidney—			
F	White, Andrew D.	Educ; Diplom.	W.W; A.C.
Gale, Mrs. Henry Gordon—			
F	Cook, John W.	Education	W.W.
MSiS	Hovey, Richard	Poetry	A.C.
Goodwin, Mrs. Harry Manley—			
MB	FARLOW, WM. GILSON	Botany	*A.M.S; W.W; A.C.
Ives, Mrs. Frederick Eugene—			
S	IVES, HERBERT EUGENE	Physics	A.M.S.
Jackson, Mrs. Dugald Caleb—			
MB	JORDAN, WHITMAN H.	Agriculture	A.M.S; W.W.
Kimball, Mrs. Arthur Lalanne—			
FB	Scribner, Charles	Publishing	A.C.
MB	Schuyler, George W.	Finance; Polit; Lit.	A.C.
MBS	Schuyler, Eugene	Diplomacy; Lit.	A.C.
King, Mrs. Arthur Scott—			
FSiS	DAINS, FRANK B.	Chemistry	A.M.S.
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FF	Hodge, Charles	Theology	A.C.
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Si	Taft, Helen Herron	Society	W.W.
SiD	Taft, Helen Herron	Education	W.W.
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B	WILSON, HAROLD A.	Physics	W.W.

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F	Butler, James D.	Literature W.W; A.C.
Stevens, Mrs. Walter LeConte—		
F	Letcher, John	Politics A.C.
Thwing, Mrs. Charles Burton—		
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Trowbridge, Mrs. Augustus—		
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Webster, Mrs. Arthur Gordon—		
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FB	TOWNSEND, ROBERT	Pathology A.C.
Wright, Mrs. Arthur William—		
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FF	SILLIMAN, BENJAMIN	Chem; Geology A.C.
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Physiologists

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B	Learned, Henry Barrett	Lit; History W.W.
Henderson, Mrs. Lawrence Joseph—		
F	Thayer, Joseph Henry	Bible W.W; A.C.
Henderson, Mrs. Yandell—		
FB	Colby, Gardner	Philanth; A.C.
		Railway
FBS	Colby, Charles L.	Ry. Management A.C.
FBS	Colby, Everett	Law; Politics W.W.
FBS	Colby, Henry F.	Ministry W.W; A.C.
Hough, Mrs Theodore—		
FBS	WHITEHEAD, RICHARD H.	Pathology A.M.S; W.W.
Hunt, Mrs. Ried—		
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Lusk, Mrs. Graham—

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FF	Tiffany, Charles L.	Finance; Mfg.	W.W; A.C.

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Angel, Mrs. Frank—

F	Bayard, Thomas F.	Diplomacy	A.C.
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Buchner, Mrs. Edward Franklin—

MB	Morgan, Daniel Nash	Finance	W.W.
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Jastrow, Mrs. Joseph—

Si	Szold, Henrietta	Language; Editing	W.W.
F	Szold, Benjamin	Ministry; Lit.	W.W.

Strong, Mrs. Charles Augustus—

B	Rockefeller, J. D., Jr.	Finance	W.W.
Si	McCormick, Edith R.	Wealth	W.W.
F	Rockefeller, John D.	Finance	W.W; A.C.
FB	Rockefeller, William	Finance	W.W; A.C.
FBS	Rockefeller, W. G.	Finance	W.W.

Zoologists

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MF	Powell, John Hare	Diplomacy	A.C.
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Hargitt, Mrs. Charles Wesley—

S	HARGITT, GEORGE T.	Zoology	A.M.S.
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Jayne, Mrs. Horace—

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B	FURNESS, WILLIAM H.	Anthropology	A.M.S; W.W.
F	Furness, Horace H.	Literature	W.W; A.C.
M	Furness, H. K.	Literature	A.C.
FB	FURNESS, W. H.	Art	A.C.
FSi	Wister, Mrs. A. L.	Linguistics	A.C.
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MBS	ACHESON, EDWARD G.	Chemistry	*A.M.S; W.W.
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B	TENNENT, DAVID HILT	Biology	*A.M.S; W.W.
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